

ANTARCTIC RECORD Vol. 44 CONTENTS

No. 1 (March 2000)

Scientific Paper

- Morbidity of wintering-over participants in the First to the Thirty-ninth Japanese Antarctic Research Expeditions: Analysis of 4233 cases (in Japanese)
..... *Güichirou Ohno and Takahiro Miyata*.... 1

Scientific Notes

- Installation and operation of PRARE tracking antenna at Syowa Station, Antarctica
... *Kazuo Shibuya, Masaki Kanao, Toshihiro Higashi and Shigeru Aoki*.... 14
- Reconsideration of the Richardson Clay with subglacial deforming bed at an outcrop of northern foot of Mt. Riiser-Larsen, West Enderby Land, East Antarctica (in Japanese)
..... *Kazuomi Hirakawa and Takanobu Sawagaki*.... 25
- Distribution and size of Adélie penguin colonies in Amundsen Bay, Enderby Land, Antarctica *Akinori Takahashi, Katsufumi Sato, Jun Nishikawa, Michiharu Kouno and Yasuhiko Naito*.... 38
- Comparison of medical service systems at Syowa Station with other Antarctic stations: Medical staff, mortality and evacuation (in Japanese)
..... *Güichirou Ohno and Takahiro Miyata*.... 42
- Report*
- Reconnaissance for a hydrological research in Laptev Sea and Lena Basin (in Japanese) *Hajime Ito*.... 51

No. 2 (July 2000)

Scientific Paper

- Comparative morpho-functional study of the intestine of the Antarctic fish *Notothenia coriiceps* and *Trematomus newnesi* (Nototheniidae): Histology and ultrastructure
..... *A.C.C. Vianna, E. Fanta and E. Haapalainen*.... 61

Scientific Note

- Determination of low HTO content in various water samples by liquid scintillation technique with electrical condensation procedure (in Japanese)
..... *Kokichi Kamiyama and Makoto Igarashi*.... 83

Reports

- Airborne surveys of surface topographic condition over the coastal ice-free areas,
ice sheet and sea-ice around the Lützow-Holm Bay region, East Antarctica in
1996–1998 by JARE-38 (in Japanese)
..... *Masaki Kanao and Takashi Yamanouchi* 97
- Meteorological observations at Syowa Station and at Dome Fuji Station in 1997
by the 38th Japanese Antarctic Research Expedition (in Japanese)
..... *Yuji Esaki, Kuniaki Kurita, Isao Matsushima, Nobuhiko Kizu,*
Tetsuji Nakajima and Susumu Kaneto 125
- Chilean Antarctic Stations on King George Island (in Japanese)
..... *Katsutada Kaminuma* 205
- Symposium/ Meeting Reports*
- Report of workshop “Future research plans for solid Earth sciences in the
Antarctic Ocean” (in Japanese) *Yoshifumi Nogi* 227
- Report of workshop “Future science plans for physical, chemical and biological
oceanography in the Southern Ocean” (in Japanese)
..... *Tsuneo Odate and Mitsuo Fukuchi* 232

No. 3 (November 2000)

Scientific Paper

- Diseases due to ultraviolet radiation in Antarctic wintering personnel: Analysis of
geneses, seasonal change and annual variation (in Japanese)
..... *Güchirou Ohno and Takahiro Miyata* 239

Scientific Note

- Errors in wind direction data at Dome Fuji Station, and corrections (in Japanese)
..... *Naohiko Hirasawa* 249

Report

- Environmental monitoring by means of soil algae and microorganisms in the
vicinity of Syowa Station (in Japanese)
..... *Shuji Ohtani, Kousuke Suyama and Hiroshi Kanda* 265

Symposium/ Meeting Report

- Report of “Workshop on variability of sea ice and ocean in polar regions” (in
Japanese) *Shuki Ushio* 277